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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/043,432

DATE: 04/09/2002

TIME: 10:49:27

Input Set : N:\Crf3\RULE60\10043432.raw

Output Set: N:\CRF3\04092002\J043432.raw

1 <110> APPLICANT: Le, Junming
2 Vilcek, Jan
3 Daddona, Peter
4 Ghrayeb, John
5 Knight, David M.
6 Siegel, Scott
7 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
8 Human Tumor Necrosis Factor
9 <130> FILE REFERENCE: 0975.1005-013
10 <140> CURRENT APPLICATION NUMBER: 10/043,432
11 <141> CURRENT FILING DATE: 2002-01-10
12 <150> PRIOR APPLICATION NUMBER: 09/927,703
13 <151> PRIOR FILING DATE: 2001-08-10
14 <150> PRIOR APPLICATION NUMBER: U.S. 09/756,398
15 <151> PRIOR FILING DATE: 2001-01-08
16 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
17 <151> PRIOR FILING DATE: 1998-08-12
18 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
19 <151> PRIOR FILING DATE: 1995-12-11
20 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
21 <151> PRIOR FILING DATE: 1994-10-18
22 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
23 <151> PRIOR FILING DATE: 1994-02-04
24 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
25 <151> PRIOR FILING DATE: 1994-02-04
26 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
27 <151> PRIOR FILING DATE: 1994-02-04
28 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
29 <151> PRIOR FILING DATE: 1993-01-29
30 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
31 <151> PRIOR FILING DATE: 1993-02-02
32 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
33 <151> PRIOR FILING DATE: 1992-09-11
34 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
35 <151> PRIOR FILING DATE: 1992-03-18
36 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
37 <151> PRIOR FILING DATE: 1991-03-18
38 <160> NUMBER OF SEQ ID NOS: 19
39 <170> SOFTWARE: FastSEQ for Windows Version 4.0
41 <210> SEQ ID NO: 1
42 <211> LENGTH: 157
43 <212> TYPE: PRT
44 <213> ORGANISM: Homo sapiens

ENTERED

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45 <400> SEQUENCE: 1
46   Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
47       1           5           10           15
48   Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
49       20           25           30
50   Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
51       35           40           45
52   Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
53       50           55           60
54   Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
55       65           70           75           80
56   Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
57       85           90           95
58   Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
59       100          105          110
60   Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
61       115          120          125
62   Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
63       130          135          140
64   Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
65       145          150          155
67 <210> SEQ ID NO: 2
68 <211> LENGTH: 321
69 <212> TYPE: DNA
70 <213> ORGANISM: Mus Balb/c
71 <220> FEATURE:
72 <221> NAME/KEY: CDS
73 <222> LOCATION: (1)...(321)
74 <400> SEQUENCE: 2
75   gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga   48
76   Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
77       1           5           10           15
78   gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc   96
79   Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
80       20           25           30
81   atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata   144
82   Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
83       35           40           45
84   aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc   192
85   Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
86       50           55           60
87   agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct   240
88   Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
89       65           70           75           80
90   gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc   288
91   Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
92       85           90           95
93   acg ttc ggc tcg ggg aca aat ttg gaa gta aaa   321
94   Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys

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97 <210> SEQ ID NO: 3
98 <211> LENGTH: 107
99 <212> TYPE: PRT
100 <213> ORGANISM: Mus Balb/c
101 <400> SEQUENCE: 3
102   Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
103       1                               5                               10                               15
104   Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
105       20                               25                               30
106   Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
107       35                               40                               45
108   Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
109       50                               55                               60
110   Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
111       65                               70                               75                               80
112   Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
113       85                               90                               95
114   Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
115       100                               105
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 357
119 <212> TYPE: DNA
120 <213> ORGANISM: Mus Balb/c
121 <220> FEATURE:
122 <221> NAME/KEY: CDS
123 <222> LOCATION: (1)...(357)
124 <400> SEQUENCE: 4
125   gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga      48
126   Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
127       1                               5                               10                               15
128   tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac      96
129   Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
130       20                               25                               30
131   tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt      144
132   Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
133       35                               40                               45
134   gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag      192
135   Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
136       50                               55                               60
137   tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct      240
138   Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
139       65                               70                               75                               80
140   gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat      288
141   Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
142       85                               90                               95
143   tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa      336
144   Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
145       100                               105                               110

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146      ggc acc act ctc aca gtc tcc
147      Gly Thr Thr Leu Thr Val Ser
148              115
150 <210> SEQ ID NO: 5
151 <211> LENGTH: 119
152 <212> TYPE: PRT
153 <213> ORGANISM: Mus Balb/c
154 <400> SEQUENCE: 5
155      Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
156              1          5          10          15
157      Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
158              20          25          30
159      Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
160              35          40          45
161      Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
162              50          55          60
163      Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
164      65          70          75          80
165      Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
166              85          90          95
167      Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
168              100         105         110
169      Gly Thr Thr Leu Thr Val Ser
170              115
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 8
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 6
177      Gly Thr Leu Val Thr Val Ser Ser
178              1          5
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 7
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 7
185      Gly Thr Lys Leu Glu Ile Lys
186              1          5
188 <210> SEQ ID NO: 8
189 <211> LENGTH: 20
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: PCR oligonucleotides
194 <400> SEQUENCE: 8
195      cctggatacc tgtgaaaaga
197 <210> SEQ ID NO: 9
198 <211> LENGTH: 27
199 <212> TYPE: DNA

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20

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200 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: PCR oligonucleotides
203 <400> SEQUENCE: 9
204      cctggtacct tagtcaccgt ctccetca                                27
206 <210> SEQ ID NO: 10
207 <211> LENGTH: 27
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: PCR oligonucleotides
212 <400> SEQUENCE: 10
213      aatagatatc tccttcaaca cctgcaa                                27
215 <210> SEQ ID NO: 11
216 <211> LENGTH: 21
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: PCR oligonucleotides
221 <400> SEQUENCE: 11
222      atcgggacaa agttggaaat a                                    21
224 <210> SEQ ID NO: 12
225 <211> LENGTH: 16
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: PCR oligonucleotides
230 <400> SEQUENCE: 12
231      ggcggtctgg taccgg                                          16
233 <210> SEQ ID NO: 13
234 <211> LENGTH: 19
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: PCR oligonucleotides
239 <400> SEQUENCE: 13
240      gtcaacaaca tagtcatca                                      19
242 <210> SEQ ID NO: 14
243 <211> LENGTH: 23
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: PCR oligonucleotides
248 <400> SEQUENCE: 14
249      cacaggtgtg tccccaagga aaa                                23
251 <210> SEQ ID NO: 15
252 <211> LENGTH: 18
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

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